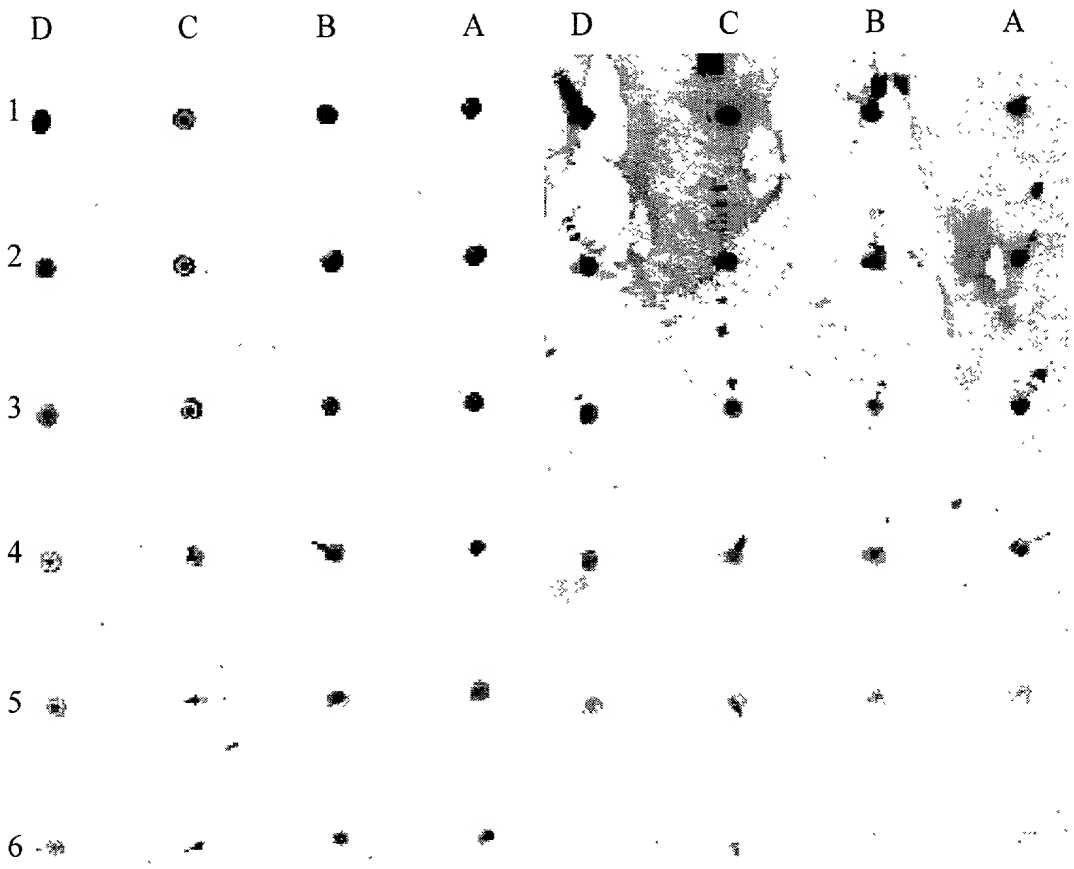

D
C
B
A
D
C
B
A
1
2
3
4
5
6
DVS-activated glass
PDITC-activated glass

FIG. 1

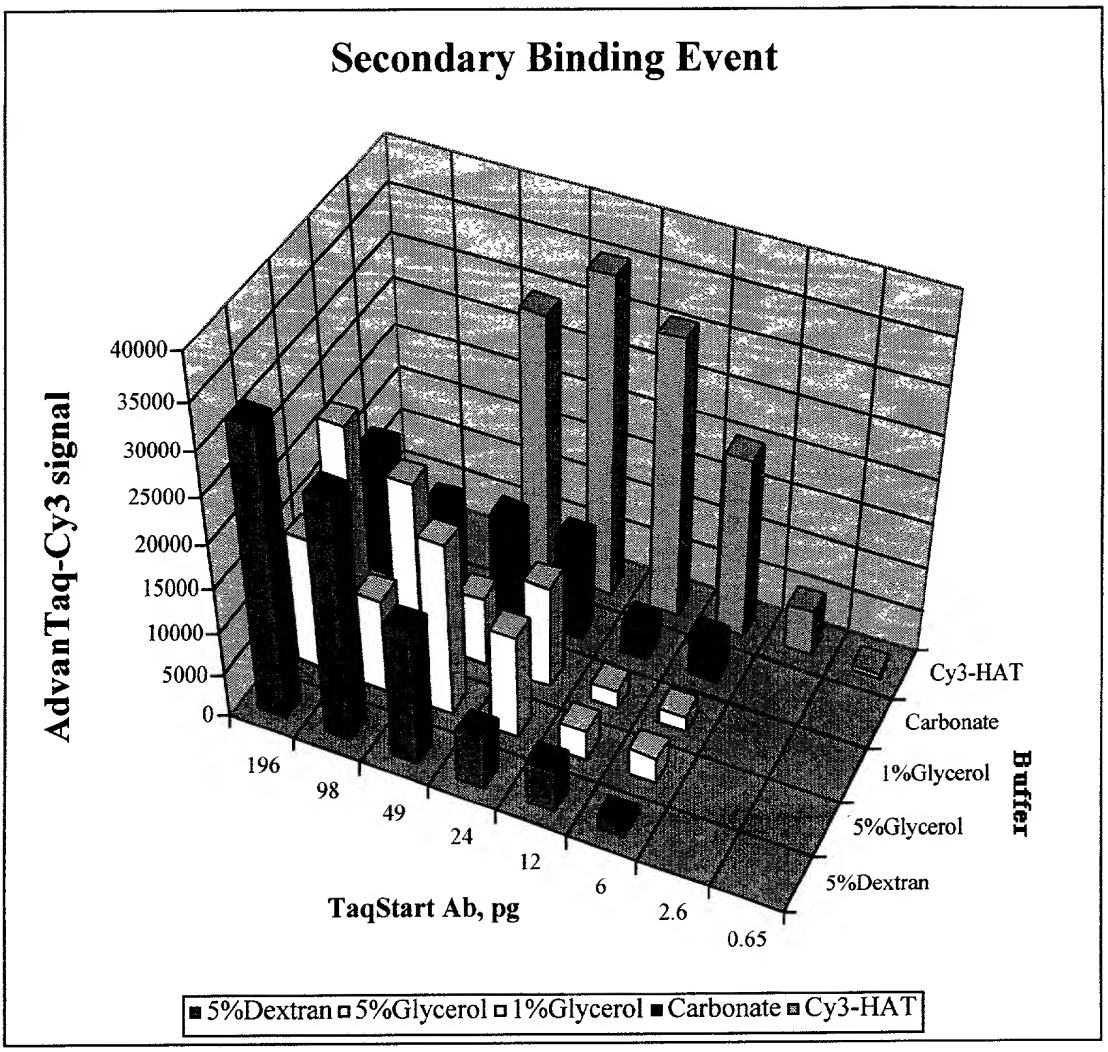

Secondary Binding Event
AdvanTaq-Cy3 signal
40000
35000
30000
25000
20000
15000
10000
5000
0
196
98
49
24
12
6
2.6
0.65
TaqStart Ab, pg
Cy3-HAT
Carbonate
1%Glycerol
5%Glycerol
5%Dextran
Buffer
5%Dextran 5%Glycerol 1%Glycerol Carbonate Cy3-HAT

FIG. 2

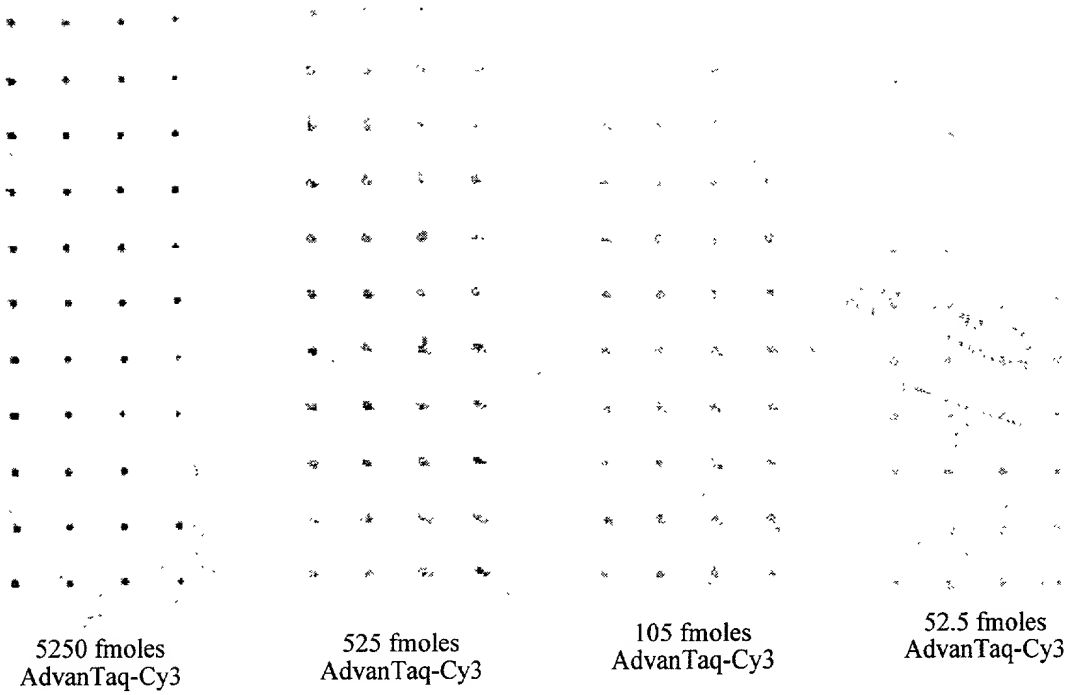


FIG. 3

Sep 14 2004 15:07 FR

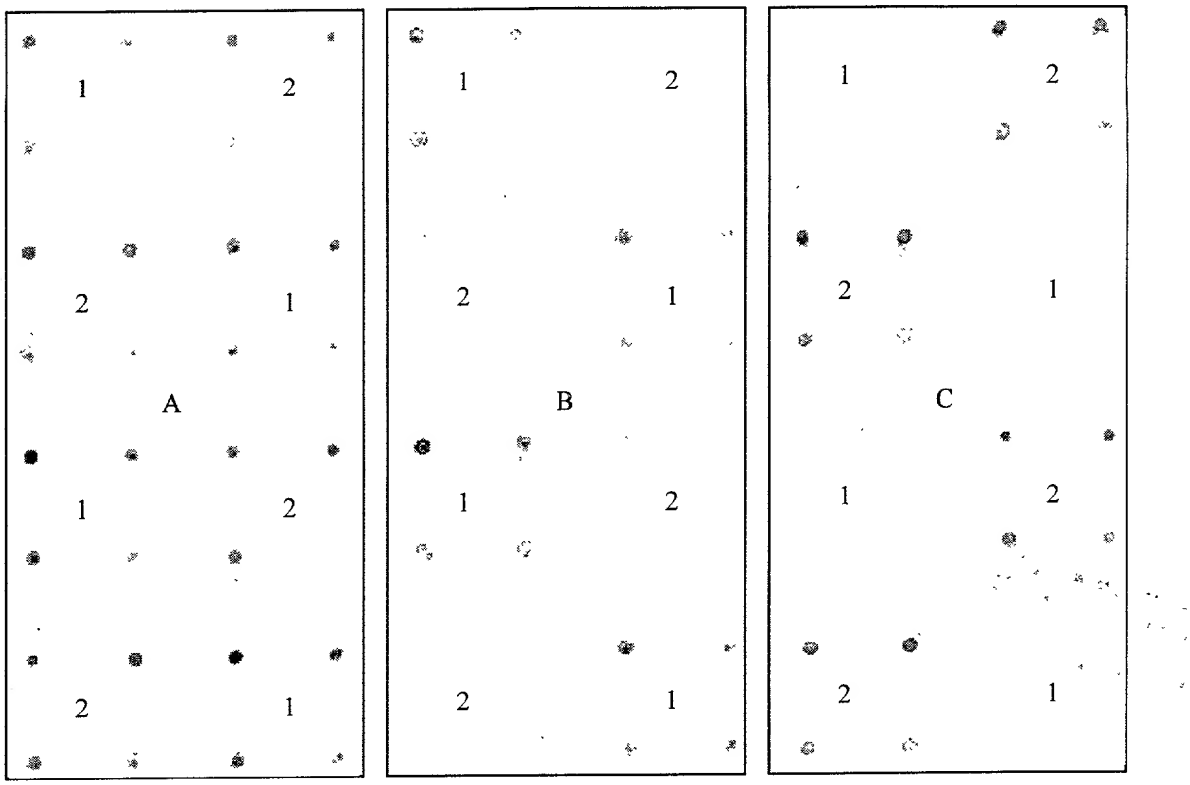


FIG. 4A

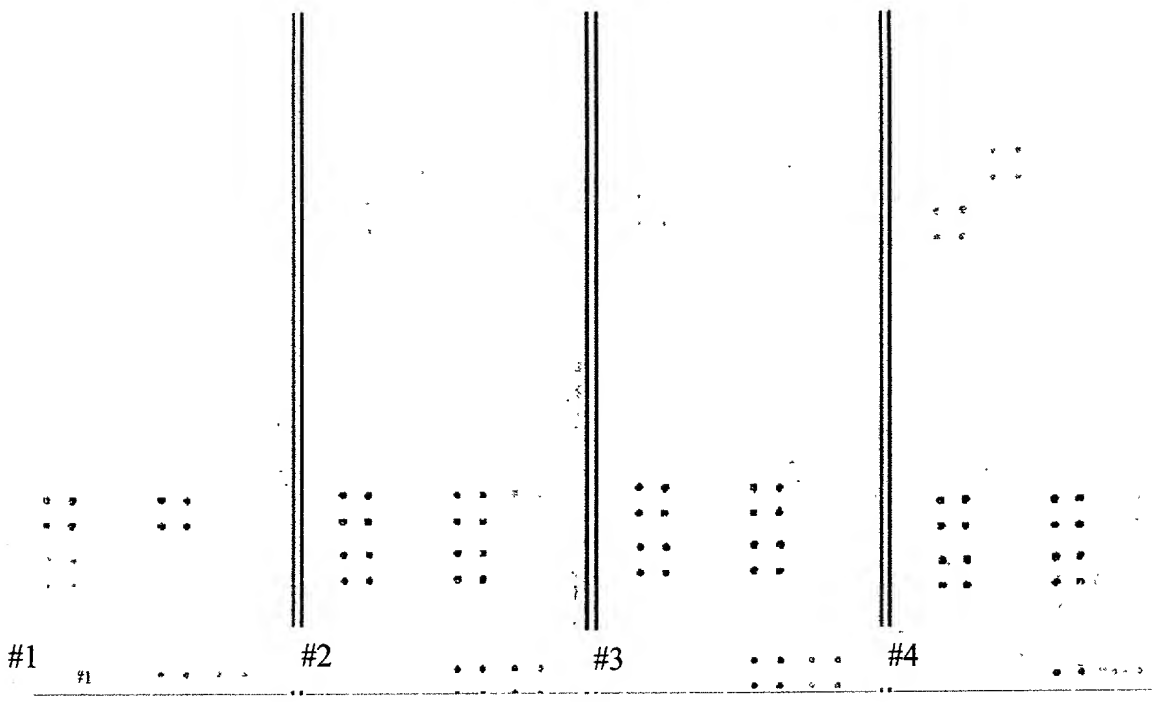
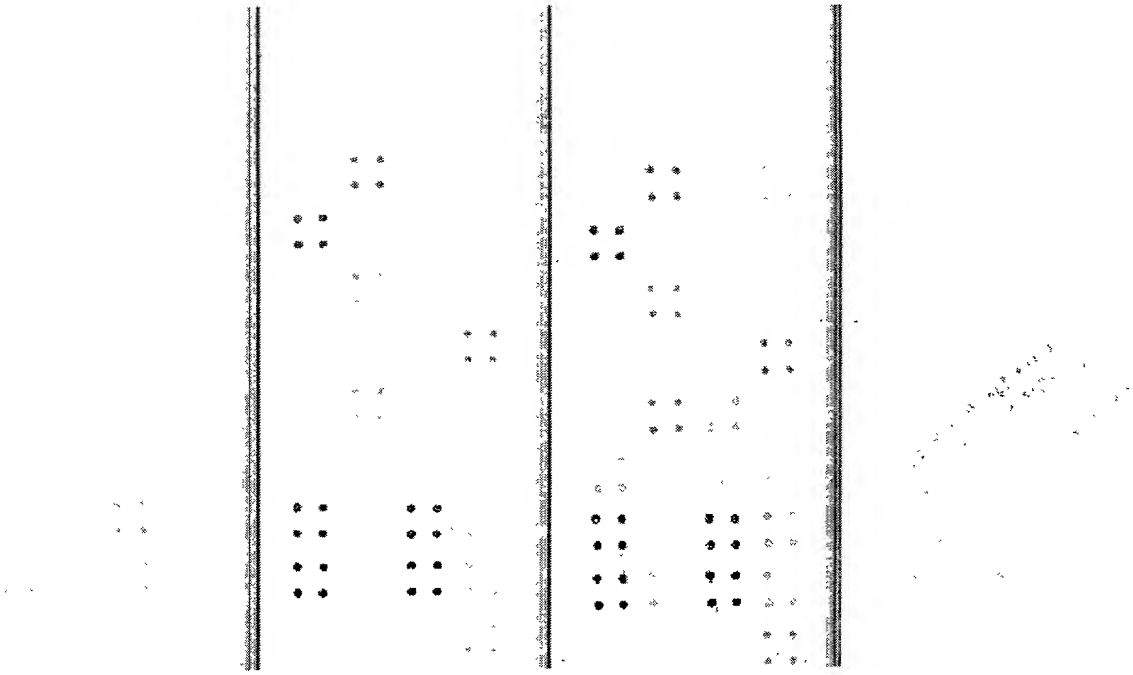


FIG. 4B

D	C	B	A	
1	1:5	2	2:5	1
3	3:5	4	4:5	2
5	5:5	6	6:5	3
7d	7n	8d	8n	4
9	9:5	10d	10n	5
11	11:5	12	12:5	6
13	13:5	14d	14n	7
15d	15n	16	16:5	8
17d	17n	18d	18n	9
19d	19n	20d	20n	10
21	21:5	22	22:5	11
23d	23n	24	24:5	12

FIG. 5



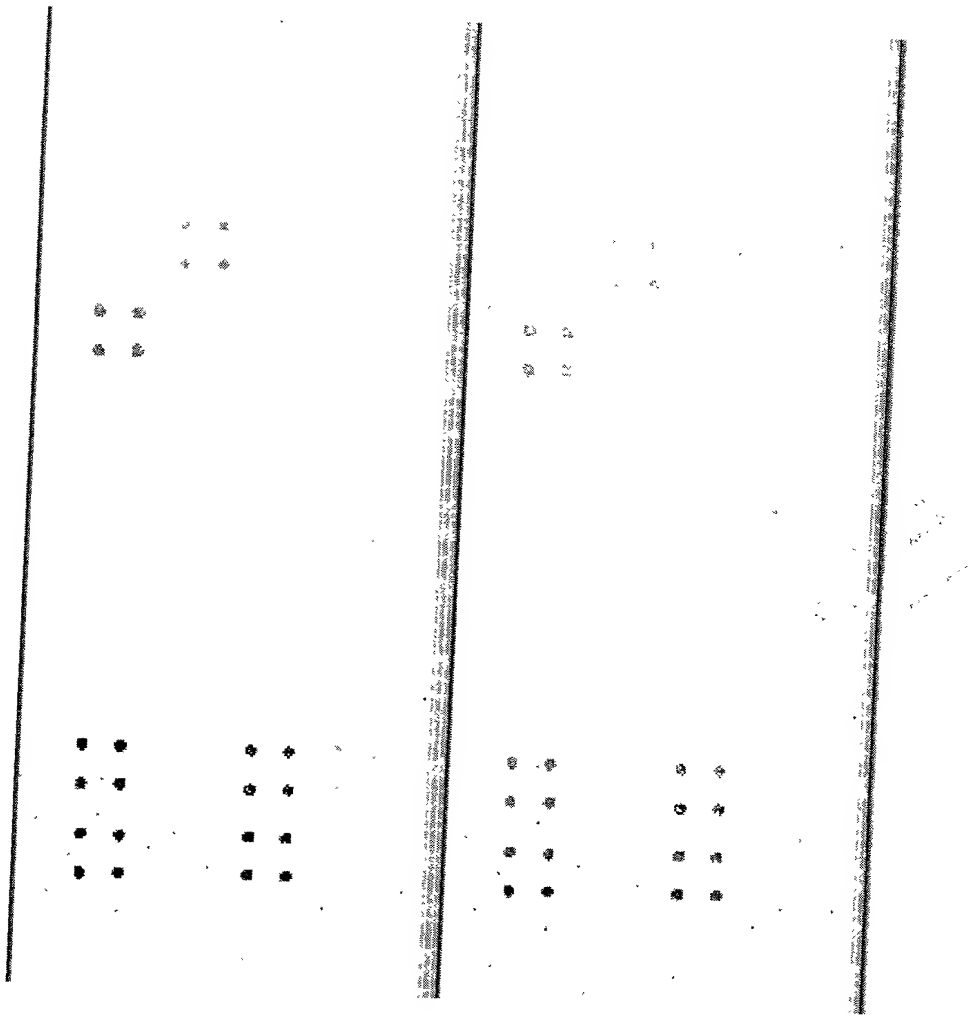
Cy3 signal Cy5 signal Cy3 signal Cy5 signal

Slide #1
Cy3/Cy5 ratio 1:44

Slide #3
Cy3/Cy5 ratio 230:1

FIG. 6A

Copyright Clontech



Cy3 signal

Cy5 signal

Slide #2
Cy3/Cy5 ratio 2.32

FIG. 6B

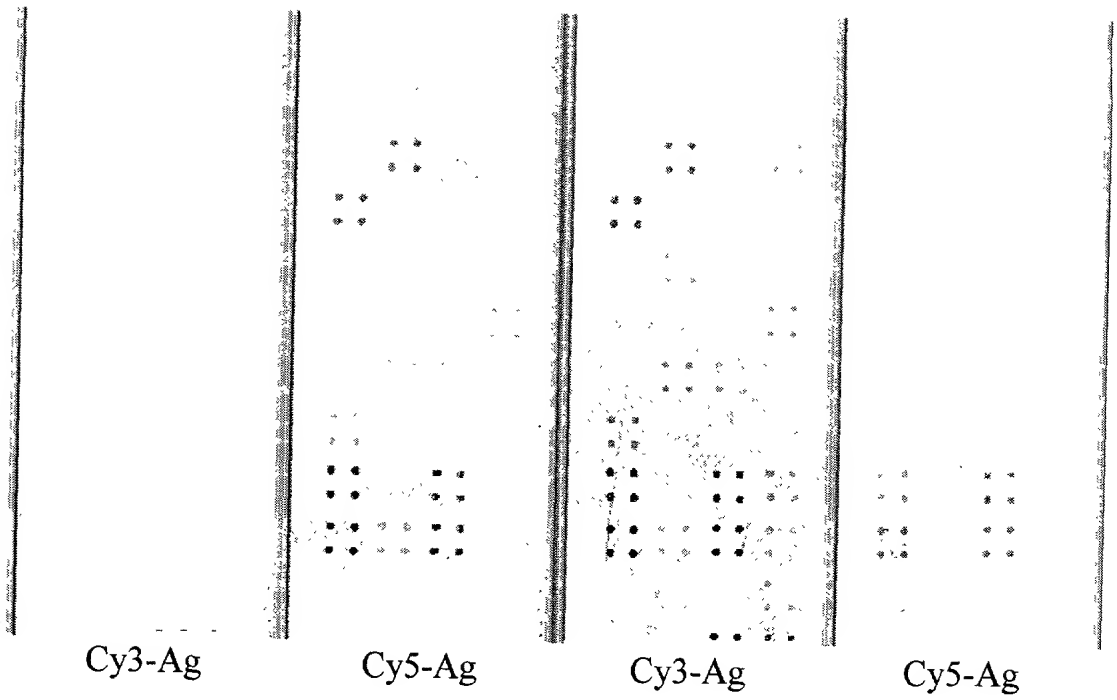
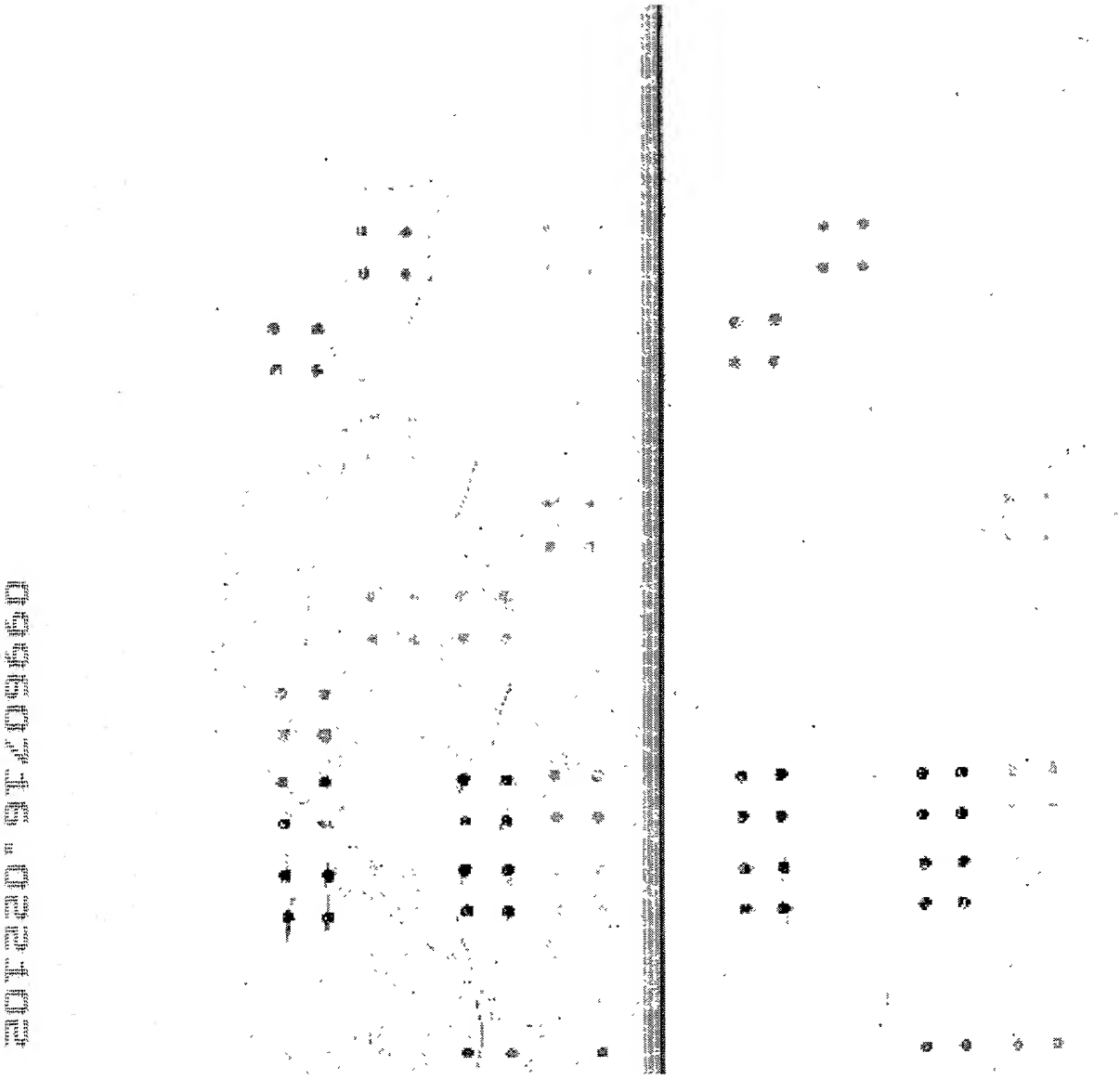

Cy3-Ag
Cy5-Ag
Cy3-Ag
Cy5-Ag
Slide #6
Cy3/Cy5 ratio 0.01
Slide #5
Cy3/Cy5 ratio 23.19

FIG. 6C



Non filtered Cy3-Ag mix Filtered Cy3 Ag-Mix

Contribution of filtration of Cy3 labeled Ag mixture on background and signal intensity

FIG. 6D

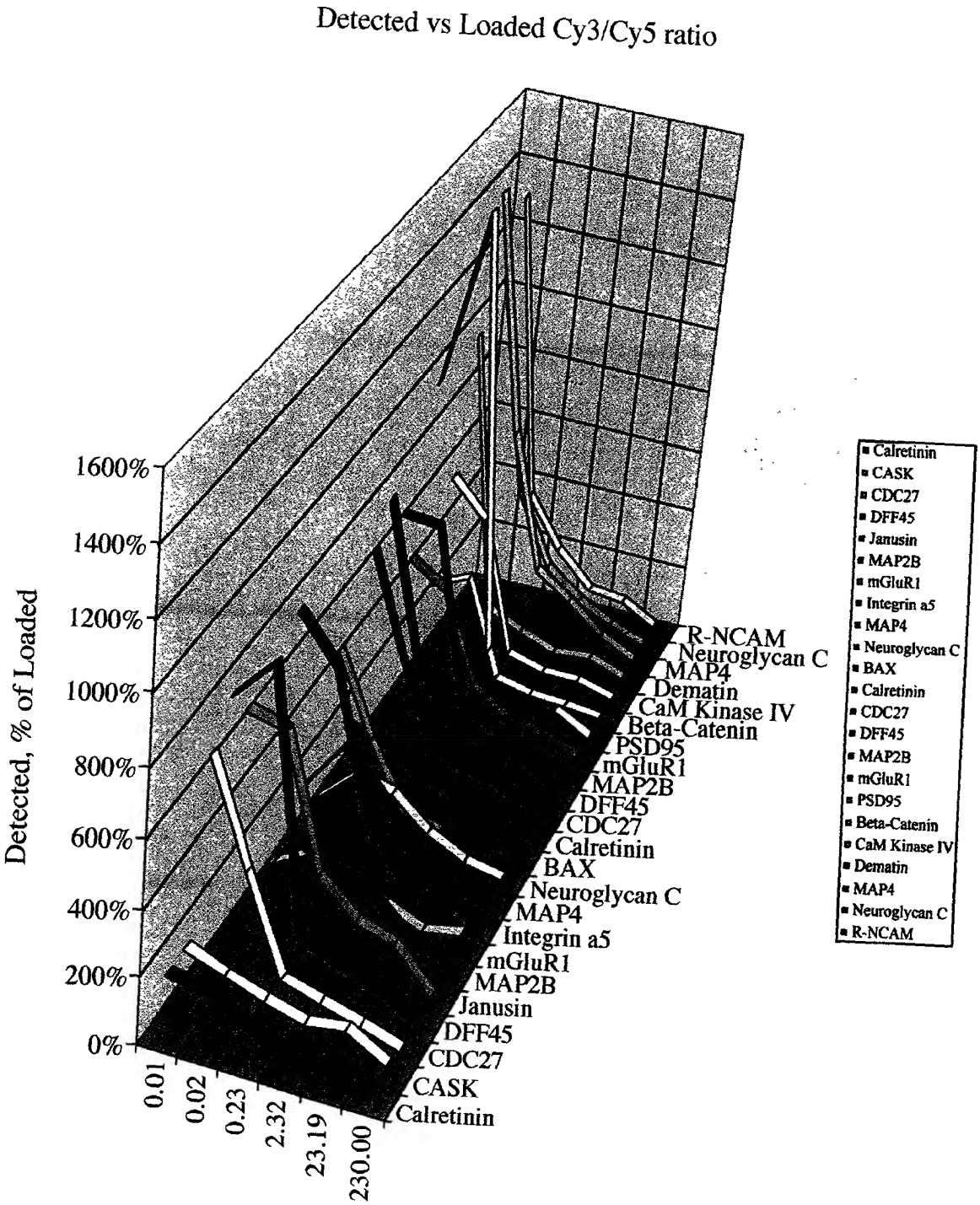
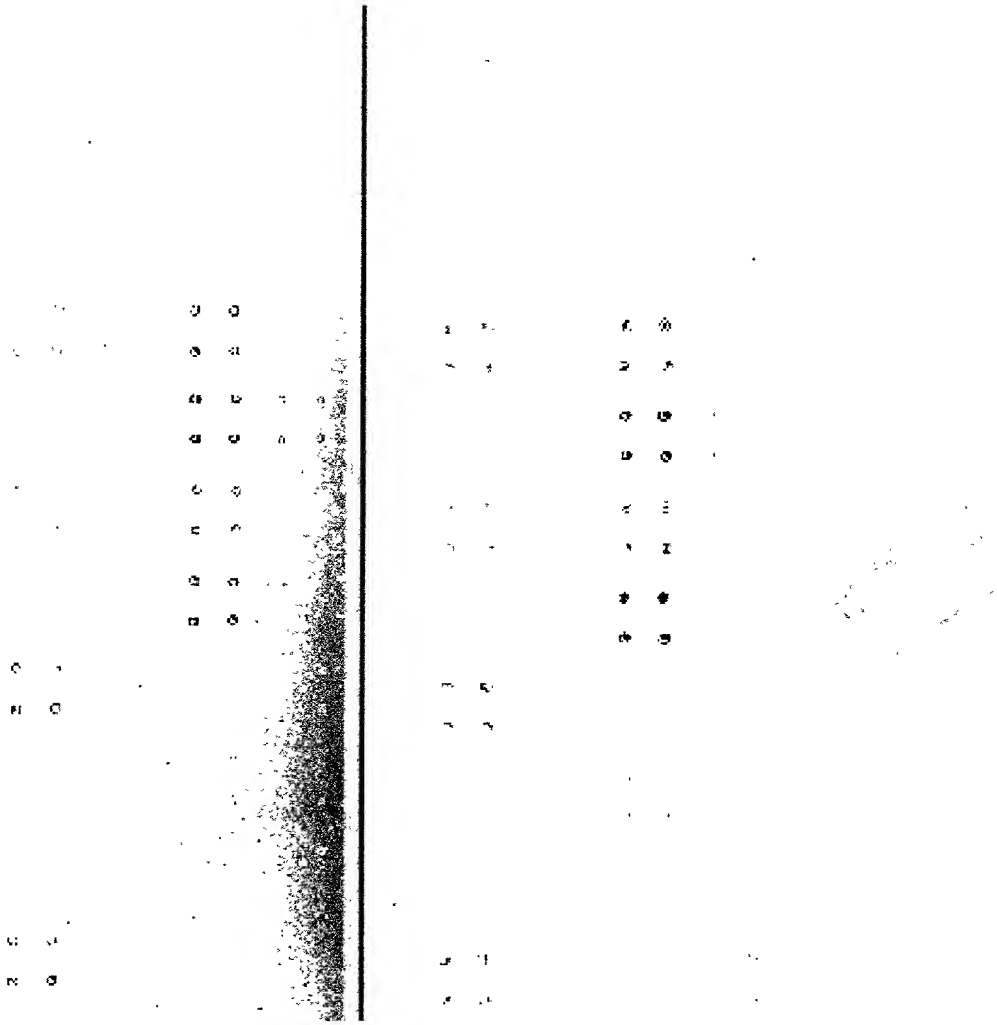

Detected vs Loaded Cy3/Cy5 ratio
Detected, % of Loaded
1600%
1400%
1200%
1000%
800%
600%
400%
200%
0%
0.01
0.02
0.23
2.32
23.19
230.00
R-NCAM
Neuroglycan C
MAP4
Dematin
CaM Kinase IV
Beta-Catenin
PSD95
mGluR1
MAP2B
DFF45
CDC27
Calretinin
BAX
Neuroglycan C
MAP4
Integrin a5
mGluR1
MAP2B
Janusin
DFF45
CDC27
CASK
Calretinin
Calretinin
CASK
CDC27
DFF45
Janusin
MAP2B
mGluR1
Integrin a5
MAP4
Neuroglycan C
BAX
Calretinin
CDC27
DFF45
MAP2B
mGluR1
PSD95
Beta-Catenin
CaM Kinase IV
Dematin
MAP4
Neuroglycan C
R-NCAM

FIG. 7

3D-Link slide

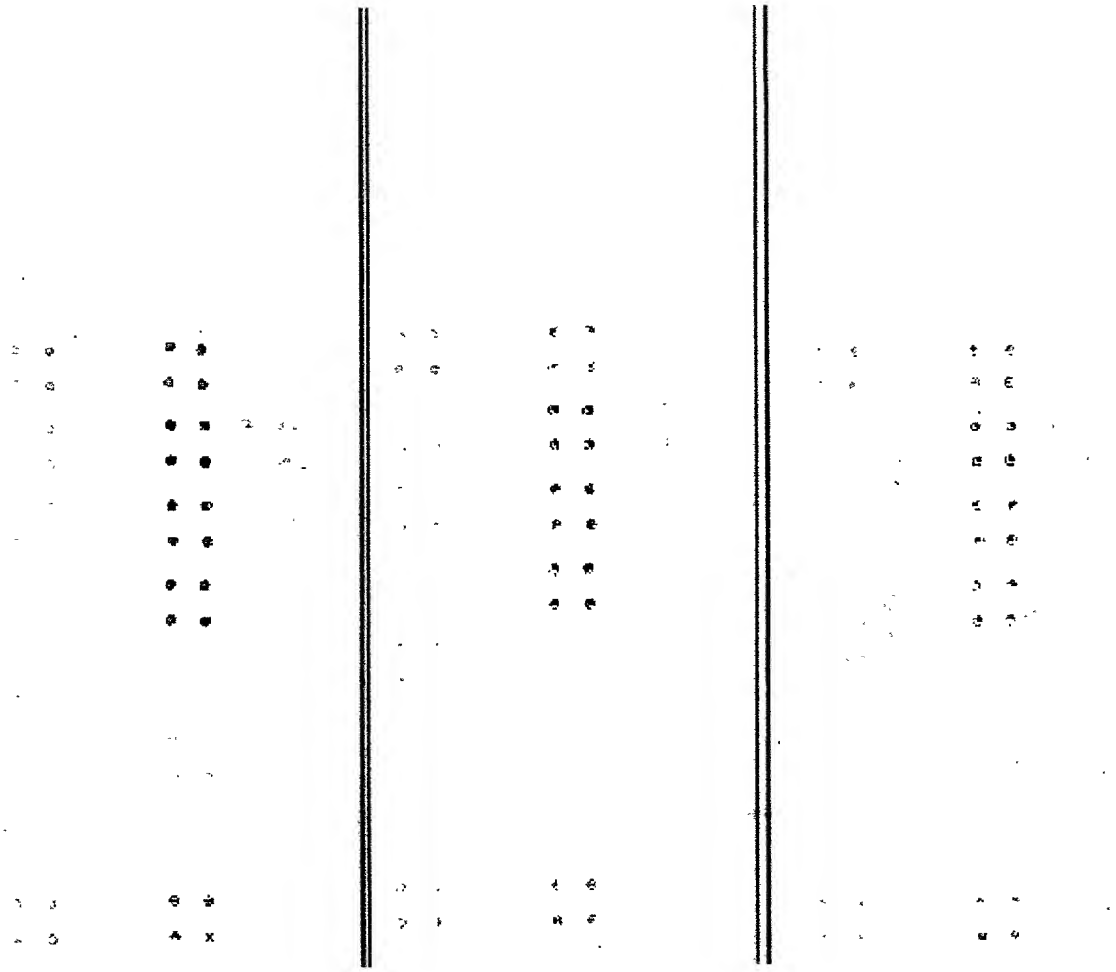
DVS slide

FIG. 8



Costar NH2-glass Clontech NH2-glass

FIG. 9



1 h DVS 2 h DVS 3 h DVS

FIG. 10

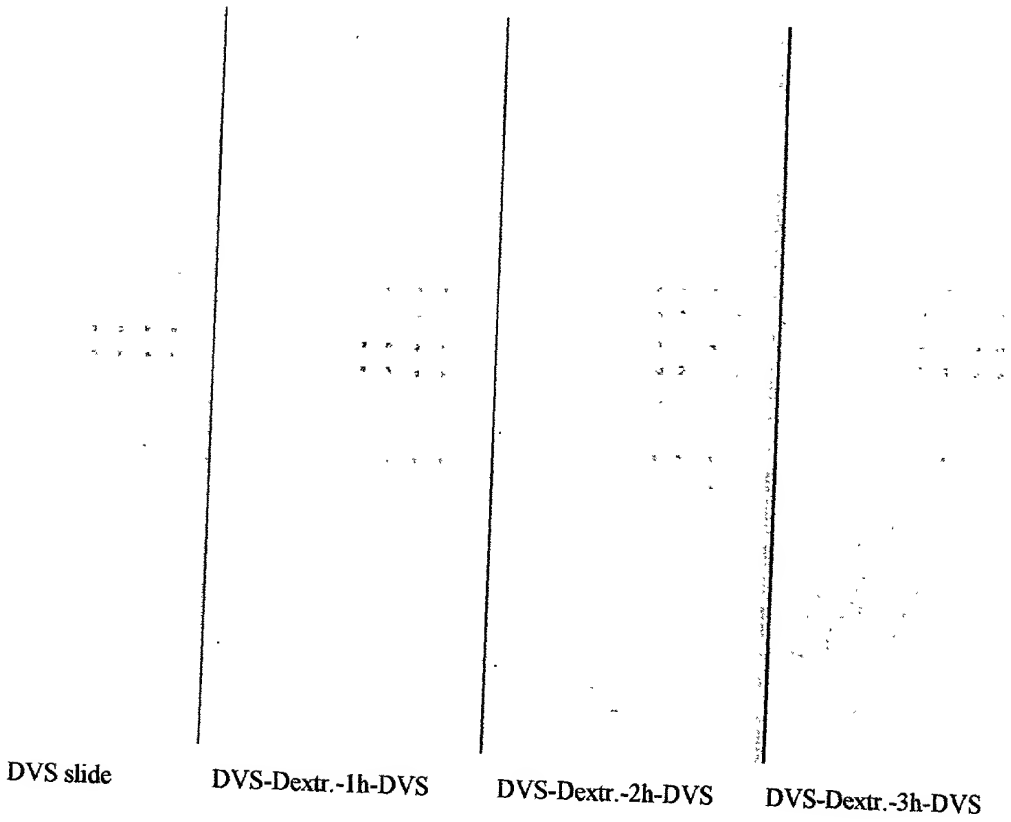


FIG. 11

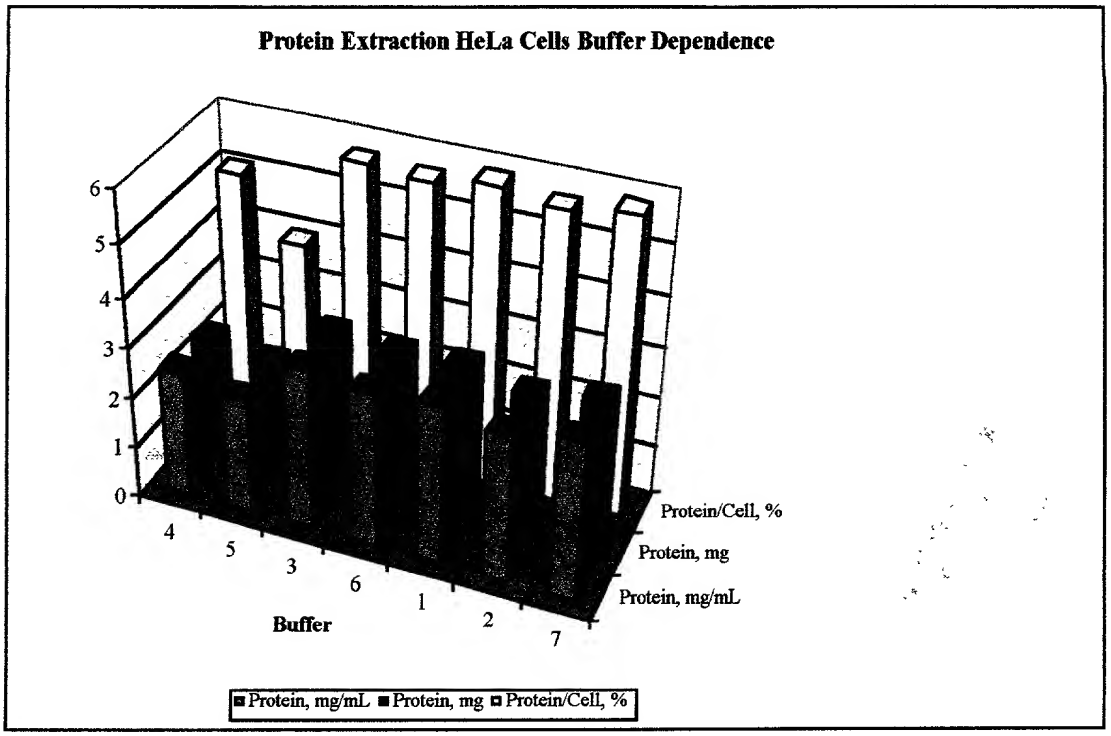
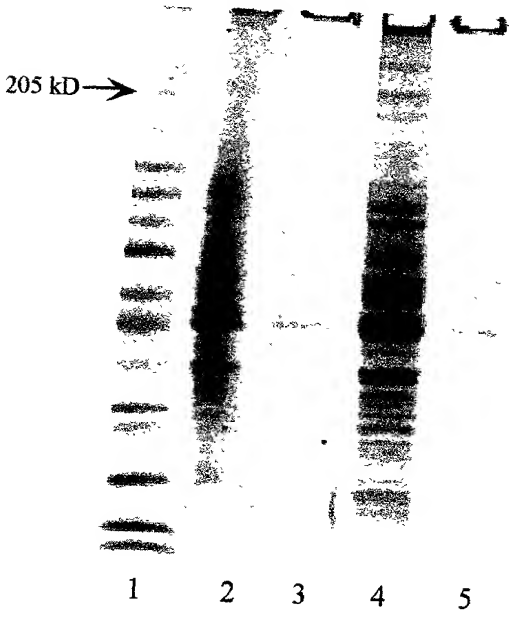


FIG. 12

Client Ref. No. 60560

FIG. 13



09960716 - 092604

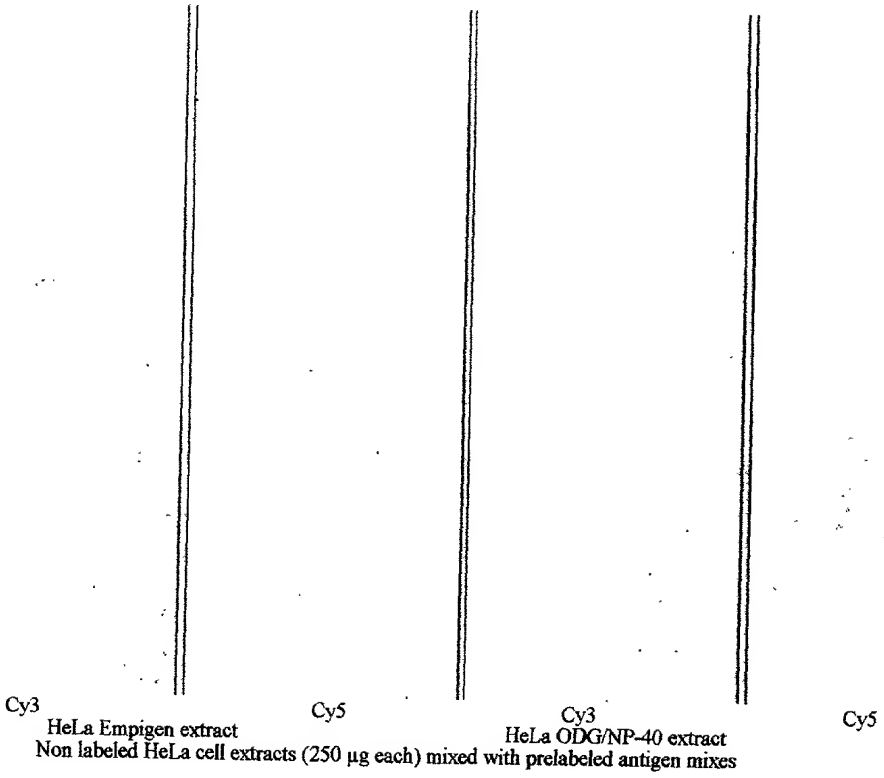


FIG. 14A

09960716 - 091505

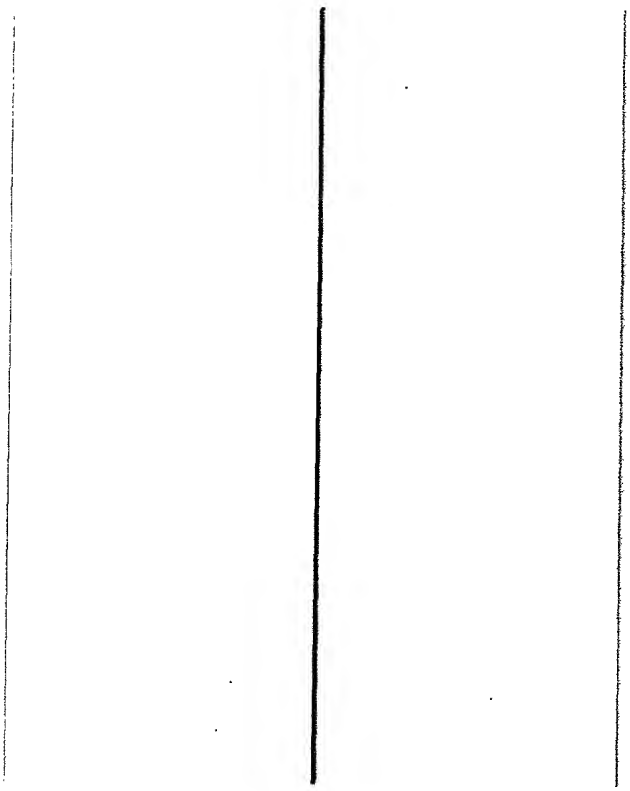


FIG. 14B

Sheet 15 of 25

FIG. 15A

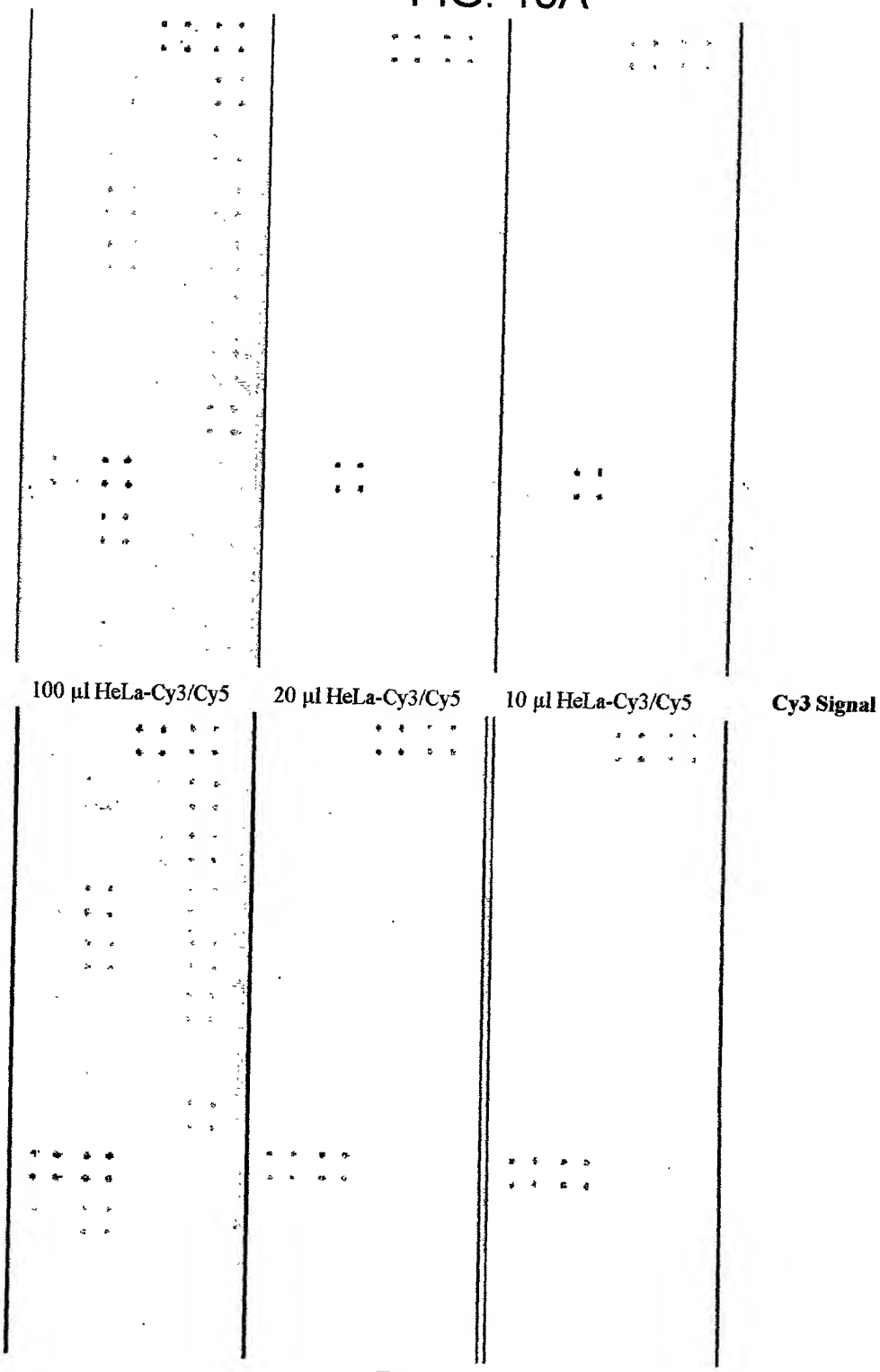


FIG. 15B

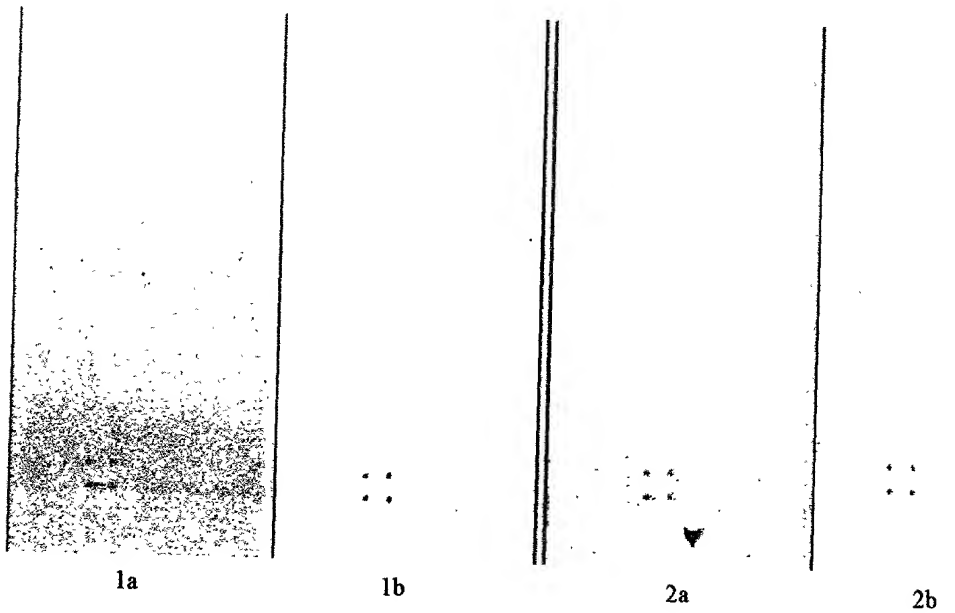
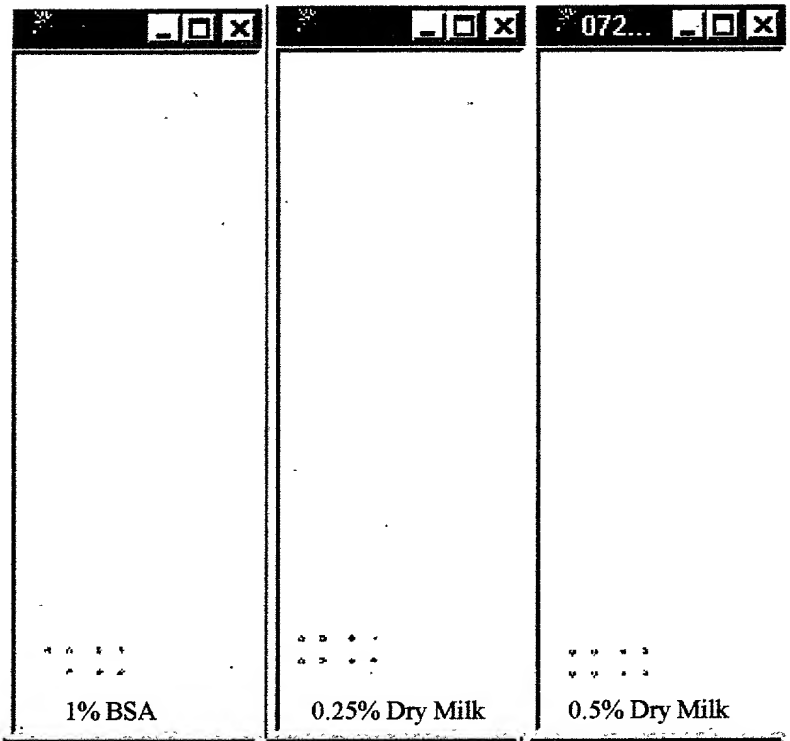


FIG. 16

FIG. 17A



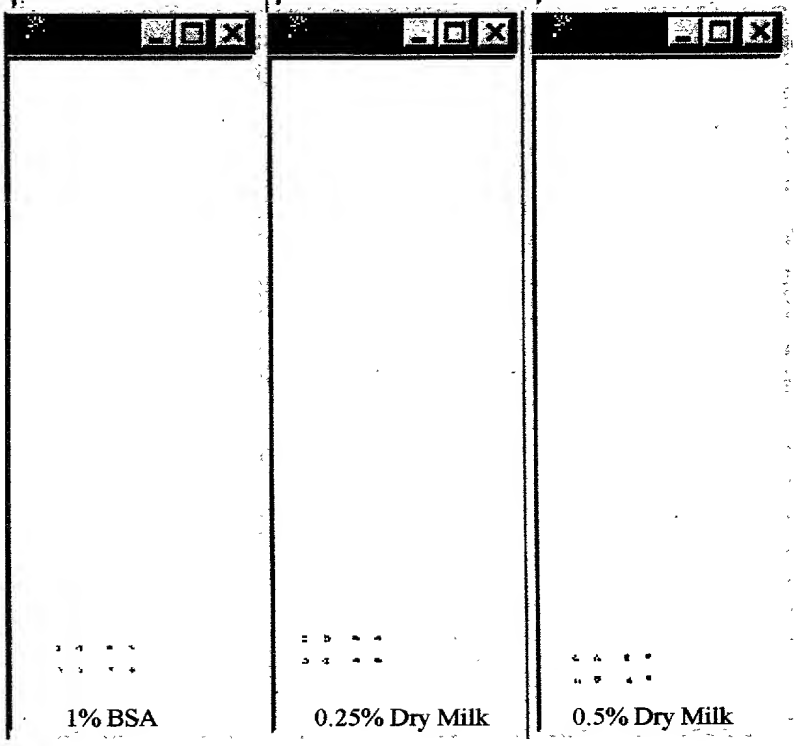


FIG. 17B

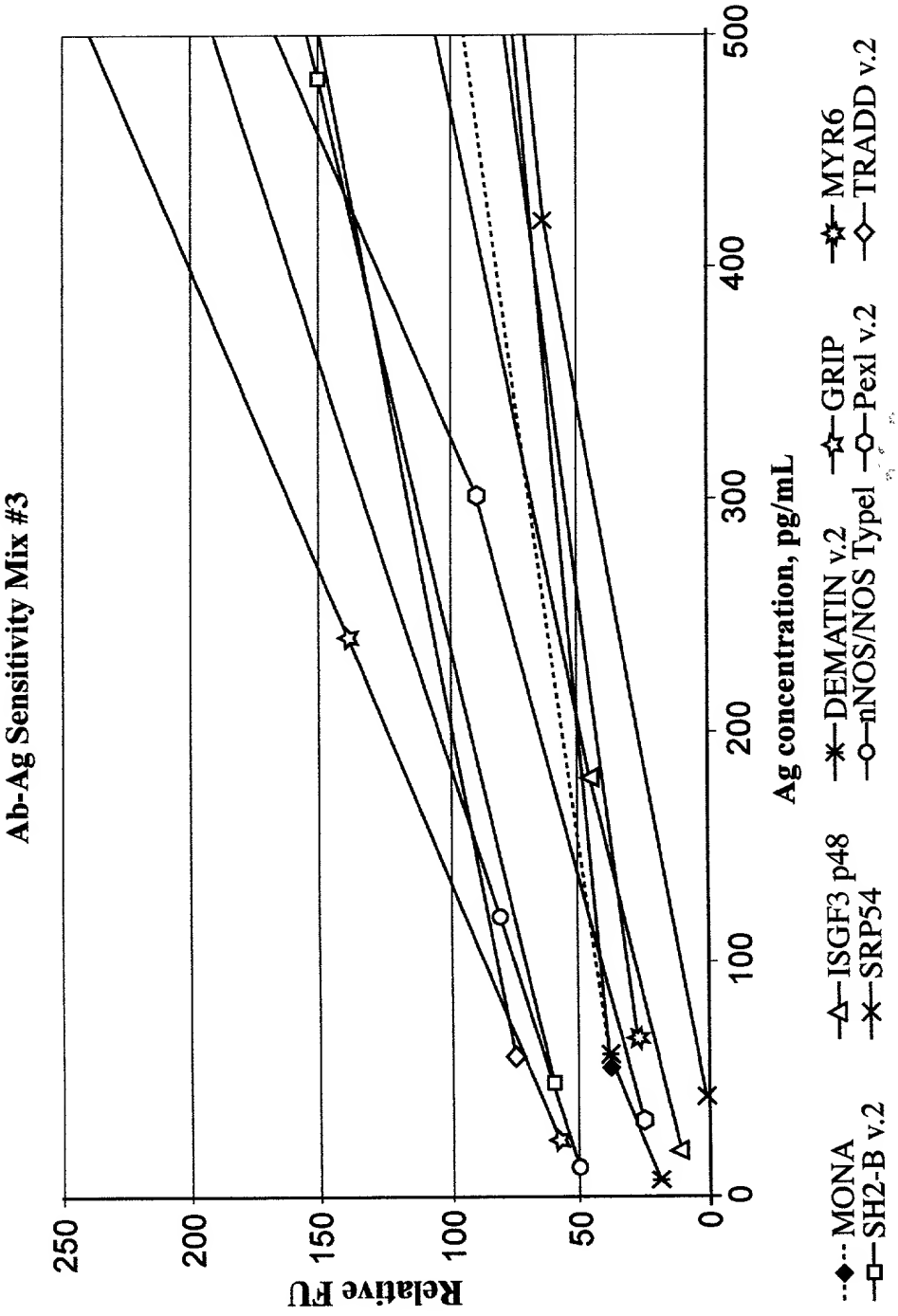

Ab-Ag Sensitivity Mix #3
Relative FU
250
200
150
100
50
0
0
100
200
300
400
500
Ag concentration, pg/mL
MONA
SH2-B v.2
ISGF3 p48
SRP54
DEMATIN v.2
nNOS/NOS Typel
GRIP
Pexl v.2
MYR6
TRADD v.2

FIG. 18